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OM protein - protein search, using sw model

Run on: June 9, 2003, 12:39:27 ; Search time 24.2553 Seconds
(without alignments)
222.724 Million cell updates/sec

Title: US-09-785-058-10
Perfect score: 130
Sequence: 1 RWRVRRVRRVRRVRRVRR 24

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1046584 seqs, 225093350 residues

Total number of hits satisfying chosen parameters: 1046584

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending Patents AA New:
1: /cgn2_6/prodata/1/paa/PCT_NEW_COMB.pep.*
2: /cgn2_6/prodata/1/paa/US06_NEW_COMB.pep.*
3: /cgn2_6/prodata/1/paa/US07_NEW_COMB.pep.*
4: /cgn2_6/prodata/1/paa/US08_NEW_COMB.pep.*
5: /cgn2_6/prodata/1/paa/US09_NEW_COMB.pep.*
6: /cgn2_6/prodata/1/paa/US10_NEW_COMB.pep.*
7: /cgn2_6/prodata/1/paa/US60_NEW_COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	73.5	56.5	245	6	US-10-425-114-70663 Sequence 70663, A
2	62	47.7	129	6	US-10-425-114-58367 Sequence 58367, A
3	62	47.7	387	6	US-10-017-161-22827 Sequence 22827, Ap
4	62	47.7	396	6	US-10-219-051B-8229 Sequence 8229, Ap
5	62	47.7	396	6	US-10-219-051B-8229 Sequence 8229, Ap
6	60.5	46.5	387	6	US-10-366-683-16956 Sequence 16956, A
7	60.5	46.5	387	6	US-10-419-128-16956 Sequence 16956, A
8	57.5	44.2	107	6	US-10-425-114-53360 Sequence 53360, A
9	57.5	44.2	107	6	US-10-425-114-56955 Sequence 56955, A
10	57	43.8	136	6	US-10-264-237-2376 Sequence 2376, Ap
11	56	43.1	139	6	US-10-425-114-52367 Sequence 52367, A
12	53.5	41.2	197	6	US-10-425-114-66861 Sequence 66861, A
13	52.5	40.4	360	6	US-10-282-122A-49117 Sequence 49117, A
14	52	40.0	142	7	US-60-452-680-16830 Sequence 16830, A
15	52	40.0	526	6	US-10-366-683-20533 Sequence 20533, A
16	52	40.0	526	6	US-10-419-128-20533 Sequence 20533, A
17	51.5	39.6	181	6	US-10-425-114-60359 Sequence 60359, A
18	51.5	39.6	191	6	US-10-425-114-48236 Sequence 48236, A
19	51.5	39.6	199	6	US-10-425-114-53496 Sequence 53496, A
20	51	39.2	149	6	US-10-424-599-154312 Sequence 154312, A
21	51	39.2	190	6	US-10-425-114-70810 Sequence 70810, A
22	51	39.2	195	6	US-10-425-114-68513 Sequence 68513, A
23	51	39.2	209	6	US-10-425-114-68542 Sequence 68542, A
24	51	39.2	245	6	US-10-282-122A-53812 Sequence 53812, A
25	51	39.2	252	6	US-10-425-114-71061 Sequence 71061, A
26	51	39.2	342	6	US-10-425-114-68594 Sequence 68594, A

ALIGNMENTS

RESULT 1
US-10-425-114-70663
; Sequence 70663, Application US/10425114
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack B.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 70663
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLB73064A07_FLI.pep
US-10-425-114-70663
Query Match 56.5%; Score 73.5; DB 6; Length 245;
Best Local Similarity 56.7%; Pred. No. 1.8;
Matches 17; Conservative 1; Mismatches 5; Indels 7; Gaps 1;
QY 2 RWRVRRVRRVRRVRRVRRVRR 24
DB 12 RWRVRRVRRVRRVRRVRRVRR 41
RESULT 2
US-10-425-114-58367
; Sequence 58367, Application US/10425114
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack B.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128

27 51 39.2 570 6 US-10-369-493-5081 Sequence 5081, Ap
28 51 39.2 957 6 US-10-282-122A-64361 Sequence 64361, A
29 50.5 38.8 77 6 US-10-424-599-179654 Sequence 179654, A
30 50.5 38.8 91 6 US-10-424-599-265356 Sequence 265356, A
31 50.5 38.8 549 6 US-10-438-246-17783 Sequence 17783, A
32 50.5 38.8 585 6 US-10-438-246-17731 Sequence 17731, A
33 50 38.5 28 5 US-09-874-644A-17 Sequence 17, Appl
34 50 38.5 106 6 US-10-289-762-253 Sequence 253, Appl
35 50 38.5 150 5 US-09-675-784A-8983 Sequence 8983, Ap
36 50 38.5 166 6 US-10-417-886-7345 Sequence 7345, Ap
37 50 38.5 288 6 US-10-369-493-17910 Sequence 17910, A
38 50 38.5 334 6 US-10-378-029-62 Sequence 62, Appl
39 50 38.5 473 6 US-10-446-203-8988 Sequence 8988, Ap
40 50 38.5 692 6 US-10-156-761-12598 Sequence 12598, A
41 49.5 38.1 76 1 PCT-US02-32727-13379 Sequence 13379, A
42 49.5 38.1 76 5 US-09-978-825-13379 Sequence 13379, A
43 49.5 38.1 76 6 US-10-057-498-13379 Sequence 13379, A
44 49.5 38.1 200 6 US-10-366-683-28054 Sequence 28054, A
45 49.5 38.1 200 6 US-10-419-128-28054 Sequence 28054, A

; SEQ ID NO 58367
; LENGTH: 129
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3591-091-B12_FLI.pep
US-10-425-114-58367

Query Match 47.7%; Score 62; DB 6; Length 129;
Best Local Similarity 60.0%; Pred. No. 17;
Matches 12; Conservative 1; Mismatches 1; Indels 6; Gaps 1;

QY 2 RWVRVRVRVRVRVRVRVRW 21
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Db 12 RWVRRLRRWR-----RRW 25

RESULT 3

US-10-017-161-2262
; Sequence 2262, Application US/10017161
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 084335/0152
; CURRENT APPLICATION NUMBER: US/10/017,161
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: JP 2001/246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2430
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2262
; LENGTH: 387
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (5)
; OTHER INFORMATION: Variable amino acid
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (8)
; OTHER INFORMATION: Variable amino acid
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (17)
; OTHER INFORMATION: Variable amino acid
US-10-017-161-2262

Query Match 47.7%; Score 62; DB 6; Length 387;
Best Local Similarity 63.6%; Pred. No. 41;
Matches 14; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 RWVRVRVRVRVRVRVRVRW 22
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Db 315 RWVRGRSVVRVRVRVRVRW 336

RESULT 4

US-10-219-051B-8227
; Sequence 8227, Application US/10219051B
; GENERAL INFORMATION:
; APPLICANT: The General Hospital Corporation doing business as Massachusetts General
; APPLICANT: Hospital / Bayer AG
; TITLE OF INVENTION: Nucleotide sequences involved in pain
; FILE REFERENCE: Lea 35693 Foreign Countries
; CURRENT APPLICATION NUMBER: US/10/219,051B
; CURRENT FILING DATE: 2003-05-09
; PRIOR APPLICATION NUMBER: US 60/312,147
; PRIOR FILING DATE: 2001-08-14
; PRIOR APPLICATION NUMBER: US 60/346,382

; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: US 60/333,347
; PRIOR FILING DATE: 2001-11-26
; NUMBER OF SEQ ID NOS: 14715
; SOFTWARE: Perl script
; SEQ ID NO 8227
; LENGTH: 396
; TYPE: PRT
; ORGANISM: Rattus norvegicus
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: SWISS-Prot / AAA68695
; DATABASE ENTRY DATE: 1998-11-01
US-10-219-051B-8227

Query Match 47.7%; Score 62; DB 6; Length 396;
Best Local Similarity 47.8%; Pred. No. 41;
Matches 11; Conservative 2; Mismatches 10; Indels 0; Gaps 0;

QY 2 RWVRVRVRVRVRVRVRVRW 24
|||||:|||||
Db 107 RWVKREMHVVRVRYRLRWADR 129

RESULT 5

US-10-219-051B-8229
; Sequence 8229, Application US/10219051B
; GENERAL INFORMATION:
; APPLICANT: The General Hospital Corporation doing business as Massachusetts General
; APPLICANT: Hospital / Bayer AG
; TITLE OF INVENTION: Nucleotide sequences involved in pain
; FILE REFERENCE: Lea 35693 Foreign Countries
; CURRENT APPLICATION NUMBER: US/10/219,051B
; CURRENT FILING DATE: 2003-05-09
; PRIOR APPLICATION NUMBER: US 60/312,147
; PRIOR FILING DATE: 2001-08-14
; PRIOR APPLICATION NUMBER: US 60/346,382
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: US 60/333,347
; PRIOR FILING DATE: 2001-11-26
; NUMBER OF SEQ ID NOS: 14715
; SOFTWARE: Perl script
; SEQ ID NO 8229
; LENGTH: 396
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: Refseq / NP_056008
; DATABASE ENTRY DATE: 2002-10-31
US-10-219-051B-8229

Query Match 47.7%; Score 62; DB 6; Length 396;
Best Local Similarity 47.8%; Pred. No. 41;
Matches 11; Conservative 2; Mismatches 10; Indels 0; Gaps 0;

QY 2 RWVRVRVRVRVRVRVRVRW 24
|||||:|||||
Db 107 RWVKREMHVVRVRYRLRWADR 129

RESULT 6

US-10-366-683-16956
; Sequence 16956, Application US/10366683
; GENERAL INFORMATION:
; APPLICANT: Rubenfield, Marc J.
; APPLICANT: Nollung, Jork
; APPLICANT: Deloughery, Craig
; APPLICANT: Bush, David
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: PATH03-04
; CURRENT APPLICATION NUMBER: US/10/366,683
; CURRENT FILING DATE: 2003-02-13
; PRIOR APPLICATION NUMBER: 09/252,991

```

RESULT 8
US-10-425-114-53360
; Sequence 53360, Application US/10425114
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 53360
; LENGTH: 107
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700155612_FLI.pep
US-10-425-114-53360

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Qy 3 WRRVRRVRRVRRVRRVRR 24

Db 59 WLRNRLWLLRLRNRWLLR 80

RESULT 11

US-10-425-114-52367
; Sequence 52367, Application US/10425114

; GENERAL INFORMATION:

; APPLICANT: Liu, Jingdong

; APPLICANT: Zhou, Yihua

; APPLICANT: Kovalic, David K.

; APPLICANT: Screen, Steven E

; APPLICANT: Tabaska, Jack E

; APPLICANT: Cao, Yongwei

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with

; FILE REFERENCE: 38-21(53313)B

; CURRENT APPLICATION NUMBER: US/10/425,114

; CURRENT FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 73128

; SEQ ID NO 52367

; LENGTH: 139

; TYPE: PRT

; ORGANISM: Zea mays

; FEATURE:

; OTHER INFORMATION: Clone ID: LIB4073-017-F8_FLI.pep

US-10-425-114-52367

Query Match

Best Local Similarity 43.1%; Score 56; DB 6; Length 139;

Matches 15; Conservative 4; Mismatches 5; Indels 14; Gaps 2;

QY 1 RRVRRVRR-----VRRVVR---VRRVVR 24

Db 7 RRRRLRRPWRRLRRRLRRRLRRRLRRRLRRRLRQ 44

RESULT 12

US-10-425-114-66861

; Sequence 66861, Application US/10425114

; GENERAL INFORMATION:

; APPLICANT: Liu, Jingdong

; APPLICANT: Zhou, Yihua

; APPLICANT: Kovalic, David K.

; APPLICANT: Screen, Steven E

; APPLICANT: Tabaska, Jack E

; APPLICANT: Cao, Yongwei

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with

; FILE REFERENCE: 38-21(53313)B

; CURRENT APPLICATION NUMBER: US/10/425,114

; CURRENT FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 73128

; SEQ ID NO 66861

; LENGTH: 197

; TYPE: PRT

; ORGANISM: Zea mays

; FEATURE:

; OTHER INFORMATION: Clone ID: UC-ZMFLB73201H12_FLI.pep

US-10-425-114-66861

Query Match

Best Local Similarity 41.2%; Score 53.5; DB 6; Length 197;

Matches 13; Conservative 1; Mismatches 8; Indels 7; Gaps 1;

QY 2 RRVRRVRRVRRV-----RVRRVRR 23

Db 58 RWRRCRRWTRRVWTTAWWCWRRIRPWWR 86

RESULT 13

US-10-282-122A-49117

; Sequence 49117, Application US/10282122A

; GENERAL INFORMATION:

; APPLICANT: Wang, Liangau
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.

; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms

; FILE REFERENCE: ELIFRA.034A

; CURRENT APPLICATION NUMBER: US/10/282,122A

; CURRENT FILING DATE: 2003-02-20

; PRIOR APPLICATION NUMBER: 60/191,078

; PRIOR FILING DATE: 2000-03-21

; PRIOR APPLICATION NUMBER: 60/206,848

; PRIOR FILING DATE: 2000-05-23

; PRIOR APPLICATION NUMBER: 60/207,727

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: 60/230,335

; PRIOR FILING DATE: 2000-09-06

; PRIOR APPLICATION NUMBER: 60/230,347

; PRIOR FILING DATE: 2000-09-09

; PRIOR APPLICATION NUMBER: 60/242,578

; PRIOR FILING DATE: 2000-10-23

; PRIOR APPLICATION NUMBER: 60/253,625

; PRIOR FILING DATE: 2000-11-27

; PRIOR APPLICATION NUMBER: 60/257,931

; PRIOR FILING DATE: 2000-12-22

; PRIOR APPLICATION NUMBER: 60/267,636

; PRIOR FILING DATE: 2001-02-09

; PRIOR APPLICATION NUMBER: 60/269,308

; PRIOR FILING DATE: 2001-02-16

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 78614

; SOFTWARE: Patent in version 3.1

; SEQ ID NO 49117

; LENGTH: 360

; TYPE: PRT

; ORGANISM: Burkholderia fungorum

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (270)..(270)

; OTHER INFORMATION: X=any amino acid

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (272)..(272)

; OTHER INFORMATION: X=any amino acid

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (342)..(342)

; OTHER INFORMATION: X=any amino acid

; US-10-282-122A-49117

Query Match

Best Local Similarity 40.4%; Score 52.5; DB 6; Length 360;

Matches 14; Conservative 2; Mismatches 7; Indels 11; Gaps 2;

QY 2 RWV-----RRVRRVRRV---RVVRRVRRR 24

Db 293 RWCRRRRFCWRRRGFWRLWQSRCPQRRWLR 326

RESULT 14

US-60-452-680-16830

; Sequence 16830, Application US/60452680

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele

; APPLICANT: GRUPE, Andrew

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; TITLE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001450
; CURRENT APPLICATION NUMBER: US/60/452,680
; CURRENT FILING DATE: 2003-03-07
; NUMBER OF SEQ ID NOS: 116213
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16830
; LENGTH: 142
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-452-680-16830

Query Match 40.0%; Score 52; DB 7; Length 142;
Best Local Similarity 44.8%; Pred. No. 2e+02; 7; Indels 6; Gaps 2;
Matches 13; Conservative 3; Mismatches 7; Indels 6; Gaps 2;

Qy 1 RRWVRVRVW-RRVVR-----VVRVVR 23
Db 46 RRWRSQTYWCRWRMRSEBTTSCRRWR 74

RESULT 15
US-10-366-683-20533
; Sequence 20533, Application US/10366683
; GENERAL INFORMATION:
; APPLICANT: Rubenfield, Marc J.
; APPLICANT: Nolling, Jork
; APPLICANT: Deloughery, Craig
; APPLICANT: Bush, David
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: PATH03-04
; CURRENT APPLICATION NUMBER: US/10/366,683
; CURRENT FILING DATE: 2003-02-13
; PRIOR APPLICATION NUMBER: 09/252,991
; PRIOR FILING DATE: 1999-02-18
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 20533
; LENGTH: 526
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-10-366-683-20533

Query Match 40.0%; Score 52; DB 6; Length 526;
Best Local Similarity 69.2%; Pred. No. 5.8e+02;
Matches 9; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 RRWVRVRVWR 13
Db 1 RRWRPARRHWR 13

Search completed: June 9, 2003, 13:13:52
Job time : 24.2553 secs

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